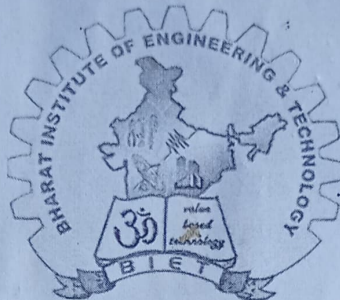


Sec - E (B.ETC)

BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY

SIVARAM VIHAR, GHATAKESWAR HILLS
MOHADA, BERHAMPUR (GM.)



STUDENT'S ATTENDANCE REGISTER

| Time | 11:35 | 1:55 | | | |
|------|-------|------|--|--|--|
| Day | 12:25 | 2:45 | | | |
| MON | ✓ | | | | |
| SAT | | ✓ | | | |
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| | |
|----------------------------|---|
| Year/ Session | 1 st YEAR / 22-23 SUMMER |
| Semester & Branch | 2 nd Semester & ETC Branch (Sec-E) |
| Subject with Code | Basic Electronics Engineering [17E-4(b)] |
| Name of the Faculty Member | En. Sohilmita Ghosh |

B.I.E.T., COURSE PLAN

| Month | Week | Class Day | Theory/Practical Topic |
|-------|------|-----------|--|
| | | | <u>UNIT-1</u> |
| | | | <u>ELECTRONIC DEVICES :-</u> |
| M | 4th | 20/3/23 | 1.1 Basic concept of electronics and its application. |
| A | | 25/3/23 | 1.2 Basic concept of electron emission and its types. |
| R | 5th | 27/3/23 | 1.3 Classification of Material according to electrical conductivity (Conductor, Semiconductor & Insulator) with respect to energy band diagram only. |
| C | | 3/4/23 | 1.4 Difference between Intrinsic & Extrinsic Semiconductor. |
| H | 1st | 8/4/23 | 1.5 Difference between vacuum tube & Semiconductor. |
| P | | 13/4/23 | 1.6 Principle of working and use of PN junction diode, Zener diode and Light Emitting Diode (LED). |
| R | 2nd | 15/4/23 | 1.7 Integrated circuits (IC) & its advantages. |
| T | | 10/4/23 | |
| L | 3rd | | |

Signature of the Faculty:

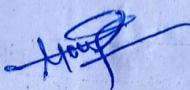
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18/02/23

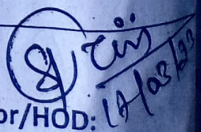
B.I.E.T., COURSE PLAN

| Month | Week | Class Day | Theory/Practical Topic |
|-------|------|-----------|---|
| | | | <p>UNIT - 2</p> <p><u>ELECTRONIC CIRCUITS</u></p> |
| A | 3rd | 15/4/23 | 2.1 Rectifier & its uses. 2.2 Principle of working of different types of rectifiers with their merits and demerits. |
| P | | 17/4/23 | 2.3 Function of filters and classification of simple filter circuit (Capacitor, choke and π) |
| R | 4th | 22/4/23 | 2.4 Working of M.C power supply system (unregulated) with help of block diagrams only. |
| T | | 24/4/23 | 2.5 Transistor, Different types of transistor configuration and static output and input current gain relationship in CE, CB and CC configuration (No Mathematical derivation) |
| F | 5th | 29/4/23 | |

Signature of the Faculty:



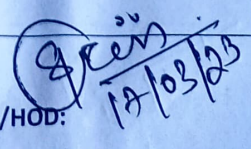
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B.I.E.T., COURSE PLAN

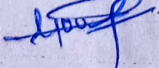
| Month | Week | Class Day | Theory/Practical Topic |
|-------|------|-----------|--|
| MAY | 1st | 01/05/23 | 2.6 Need of biasing and explain different types of biasing with circuit diagram. (only CE configuration) |
| | | 6/5/23 | 2.7 Amplifiers (concept), working principles of single phase CE amplifier. |
| | | 8/5/23 | 2.8 Electronic Oscillator and its classification |
| | 2nd | 13/5/23 | 2.9 Working of Basic Oscillator with different elements through simple Block diagram. |

Signature of the Faculty: 

Signature of the Principal/Course Co-ordinator/HOD: 

B.I.E.T., COURSE PLAN

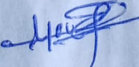
| Month | Week | Class Day | Theory/Practical Topic |
|-------------|------|-----------|--|
| | | | - <u>UNIT-03</u> - |
| M A Y | 3rd | 15/5/23 | 3.1 <u>COMMUNICATION SYSTEM</u> Basic Communication System (Concept & explanation with help of block diagram) |
| | | 20/5/23 | 3.2 Concept of modulation and demodulation, Difference between them. |
| | 4th | 22/5/23 | 3.3 Different types of modulation (AM, FM & PM) based on signal carrier wave and modulated wave (only concept, No mathematical derivation) |
| | | 27/5/23 | |

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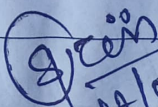
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B.I.E.T., COURSE PLAN

| Month | Week | Class Day | Theory/Practical Topic |
|------------------|---------|-----------|---|
| | | | <u>UNIT-04 :-</u> <u>TRANSDUCCERS AND MEASURING</u> <u>INSTRUMENTS :-</u> |
| MAY | 5th | 29/5/23 | 4.1 Concept of transducer and sensor with their differences. |
| J U N E | 1st | 31/6/23 | 4.2 Different type of transducer & concept of active & passive transducer |
| | 2nd | 5/6/23 | |
| | | 3rd | 10/6/23 |
| | 12/6/23 | | |
| | 17/6/23 | | |
| | 4th | 19/6/23 | 4.4 Multimeter & its applications. |
| | | 5th | 24/6/23 |
| 26/6/23 | | | 4.6 Working principle of Multimeter with basic block diagram. |
| | 5th | 26/6/23 | 4.7 CRO, working principle of CRO with simple block diagram. |

Signature of the Faculty: 

Signature of the Principal/Course Co-ordinator/HOD:


 19/03/23